

* SWBAT solve apply $W=F*d$ to an everyday situation

Sep 6-2:31 PM

Welcome!!!

H. Leslie Grebe

- * Pick up:
 - slip of paper (for later)

Opening Questions:

Have you ever helped load up a moving truck?

Ever tried putting things in with and without a ramp?
Why do you think it makes such a big difference?



Centering...

Sep 7-7:04 AM

WORK IS WHEN A
FORCE CAUSES A DISPLACEMENT.
 ↳ PUSH OR PULL ↳ NOT SAME PLACE

Nov 20-12:17 PM

Centering...

Work is when a FORCE causes a DISPLACEMENT.

Essential Question: When trying to load a washer up into a truck, how does the distance up the ramp affect the force and work needed?

Let's try it out...

RAMP TO GET BOX ONTO
 U-HAUL

30°		45°		60°	
F (N)	d (m)	F (N)	d (m)	F (N)	d (m)
3.0N	44cm	3.8N	36cm	4.4N	30cm
132		136		132	

$$W = F \cdot d$$

$$\approx = \uparrow \cdot \downarrow$$

NO FREE LUNCH

Nov 13-7:47 AM

Summarize = Answer essential question:
What was our experiment? What did the results show?

Nov 13-7:53 AM

— JOULES

Work is when

A FORCE CAUSES A DISPLACEMENT

— JOULES

Energy is

THE ABILITY TO DO WORK

PP 147-150

Nov 19-6:56 AM

Daily 3 Questions

- * Every day except test/project days
- * 3 Questions on the topics of the day
- * Main source of daily points
- * I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your **NAME!!!**

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. How many different angles did we try with our experiment?

3

2. When the weight was dragged on the ramp **farther distances**, what happened to the force?

A. more force needed

B. same force needed

☒ C. less force needed

3. [Did you turn in your summary?]

YES?!

Nov 16-7:45 AM